

IN THE CLAIMS

1. **(CURRENTLY AMENDED)** In a wideband mobile radio telecommunications system ~~having heterogeneous services with different rates~~, a method of resource allocation comprising the steps of:

determining the current relative proportions of traffic of each rate in a telecommunications cell the system, wherein the system offers heterogeneous services with different rates; and

applying a threshold to the loading level in said cell the system, the threshold being dependent upon the determined relative proportions.

2. **(CURRENTLY AMENDED)** A method according to Claim 1, wherein the relative proportion of high rate users is determined from a received signal strength indication for the cell system.

3. **(CURRENTLY AMENDED)** A method according to Claim 2, wherein the determining step is performed in a base transceiver station which controls the cell for controlling the system.

4. **(PREVIOUSLY PRESENTED)** A method according to Claim 3, wherein said base transceiver station sends to a central radio network controller the determined current relative proportions.

5. (PREVIOUSLY PRESENTED) A method according to Claim 4, wherein said applied threshold is variable.
6. (CURRENTLY AMENDED) A method according to Claim 5, wherein said variable threshold is allocated to each cell in the system by the radio network controller.
7. (CURRENTLY AMENDED) A method according to Claim 6, wherein the radio network controller maintains a table of threshold values for specific mixes of services and selects a threshold ~~for a cell so as~~ to maintain optimum network operation.
8. (CURRENTLY AMENDED) A wideband mobile radio telecommunications system comprising a core network, and a plurality of radio network controllers each controlling a plurality of base transceiver stations, ~~there being having heterogeneous services of different rates providing~~ traffic of various rates; wherein each base transceiver station is arranged to determine intermittently the relative proportions of traffic of each rate in a cell controlled by the base transceiver station; and each base transceiver station is arranged to apply a variable threshold to the loading level in the cell, the variable threshold being dependent upon the determined relative proportions.
9. (CURRENTLY AMENDED) A system according to Claim 8, wherein each base transceiver station is arranged to send to the radio network controller, which controls ~~it~~ the base transceiver station, a signal indicating the relative proportions and to receive from the radio network controller a variable loading limit to be applied.